

Photoacoustic Tomography: Ultrasonically Beating Optical Diffusion and Diffraction

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Abstract: Photoacoustic tomography provides in vivo multiscale functional, metabolic, molecular, and histologic imaging across the scales of organelles, cells, tissues, and organs with consistent contrast. Penetration and resolution have reached 7 cm and 90 nm, respectively.

OCIS codes: Imaging systems: 110.6960 Tomography|Imaging systems: 110.0113 Imaging through turbid media|Imaging systems: 110.0180 Microscopy

NO SUMMARY PROVIDED